



Water-Data Report 2008

**01411483 HUDSON BRANCH AT NEWFIELD, NJ**

MAURICE RIVER BASIN

LOCATION.--Lat 39°32'05", long 75°01'50" referenced to North American Datum of 1983, Vineland City, Cumberland County, NJ, Hydrologic Unit 02040206, at bridge on West Arbor Avenue, 0.7 mi northwest of North Vineland, 1.0 mi southwest of Newfield, and 0.8 mi upstream of mouth.

DRAINAGE AREA.--1.41 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Occasional low-flow measurements, water years 2000, 2008.

GAGE.--None.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft <sup>3</sup> /s
Jul 17, 2008	0.45
Sep 2, 2008	0.30

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**01411483 HUDSON BRANCH AT NEWFIELD, NJ—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2004, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

[QC, quality control sample. Remark codes: &lt;, less than.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm (00095)	Temper- ature, air, deg C (00020)
<b>Jan</b>									
08...	0920	QC - Artificial, field blank	--	--	--	--	--	--	--
08...	1000	Surface water, regular	4.1	766	9.6	83	8.2	630	13.0
<b>Apr</b>									
03...	0910	QC - Artificial, field blank	--	--	--	--	--	--	--
03...	0930	Surface water, regular	3.7	773	10.8	93	8.3	656	5.5
<b>Jun</b>									
17...	0905	QC - Artificial, field blank	--	--	--	--	--	--	--
17...	0930	Surface water, regular	24	755	5.6	64	7.9	663	25.0

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

[QC, quality control sample. Remark codes: &lt;, less than.]

Date	Temperature, water, deg C (00010)	Mercury water, μg/L (71890)	Mercury unfiltrd water, filtrd, recover -able, μg/L (71900)
<b>Jan</b>			
08...	--	<.010	--
08...	8.7	.015	.028
<b>Apr</b>			
03...	--	<.010	--
03...	8.7	.016	.027
<b>Jun</b>			
17...	--	<.010	--
17...	20.4	.012	.064